DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
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www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

Polyglass USA, Inc.
150 Lyon Drive
Fernley, NV 89408

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.
This product is approved as described herein, and has been designed to comply with the Florida Building Code including the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Polyglass Modified Bitumen Roof System Over Recover Decks

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This renews NOA# 08-0827.15 and consists of pages 1 through 24.
The submitted documentation was reviewed by Alex Tigera.

MIAMI-DADE COUNTY APPROVED

ROOFING ASSEMBLY APPROVAL

Category:	Roofing
Sub-Category:	Modified Bitumen
Materials	SBS/APP/TPO
Deck Type:	Recover
Maximum Design Pressure	See specific system assemblies.

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

TABLE 1

Product	Dimensions	Test Specification	Product Description
Polyflex	32' 10" x 3' 3-3/8"	ASTM D 6222	Torch applied, polyester reinforced, APP modified bitumen membrane with a burn off polyethylene back face and a smooth or sanded top surface.
Polyflex G	32' 10" x 3' 3-3/8"	ASTM D 6222	Torch applied, polyester reinforced, APP modified bitumen membrane with a burn off polyethylene back face and a granule top surface.
Polyflex G FR	32' 10" x 3' 3-3/8"	ASTM D 6222	Torch applied, polyester reinforced, APP modified bitumen membrane with a burn off polyethylene back face and a granule top surface and fire retardant chemistry.
Polybond	32' 10" x 3' 3-3/8"	ASTM D 6222	Torch applied, polyester reinforced, APP modified bitumen membrane with a burn off polyethylene back face and a smooth or sanded top surface.
Polybond G	32' 10" x 3' 3-3/8"	ASTM D 6222 Type I	Torch applied, polyester reinforced, APP modified bitumen membrane with a burn off polyethylene back face and a granule top surface.
Elastoflex S6	32' 10" x 3' 3-3/8"	ASTM D 6164	Torch, hot asphalt or cold adhesive applied, polyester reinforced, SBS modified bitumen membrane with a burn off polyethylene or sanded back face and a polyethylene or sanded top surface.
Elastoflex S6 G	32' 10" x 3' 3-3/8"	ASTM D 6164	Torch, hot asphalt or cold adhesive applied, polyester reinforced, SBS modified bitumen membrane with a burn off polyethylene or sanded back face and a granule top surface.
Elastoflex S6 G FR	32' 10" x 3' 3-3/8"	ASTM D 6164	Torch, hot asphalt or cold adhesive applied, polyester reinforced, SBS modified bitumen membrane with a burn off polyethylene or sanded back face and a granule top surface and fire retardant chemistry.
Elastoshield TSG	32' 10" x 3' 3-3/8"	ASTM D 6164	Torch, hot asphalt or cold adhesive applied, polyester reinforced, SBS modified bitumen membrane with a burn off polyethylene or sanded back face and a granule top surface.

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

TABLE 1

Product	Dimensions	Test Specification	Product Description
Elastoshield TSG FR	32’ 10” x 3’ 3-3/8”	ASTM D 6164	Torch, hot asphalt or cold adhesive applied, polyester reinforced, SBS modified bitumen membrane with a burn off polyethylene or sanded back face and a granule top surface and fire retardant chemistry.
Elastoflex V	32’ 10” x 3’ 3-3/8”	ASTM D 6163	Torch, hot asphalt or cold adhesive applied, fiberglass reinforced, SBS modified bitumen membrane with a burn off polyethylene or sanded back face and a sanded top surface.
Polyfresko Mop	32’ 10” x 3’ 3-3/8”	ASTM D 6164	Torch, hot asphalt or cold adhesive applied, polyester reinforced, SBS modified bitumen membrane with a burn off polyethylene or sanded back face and a granule top surface.
Polyfresko Mop FR	32’ 10” x 3’ 3-3/8”	ASTM D 6164	Torch, hot asphalt or cold adhesive applied, polyester reinforced, SBS modified bitumen membrane with a burn off polyethylene or sanded back face and a granule top surface and fire retardant chemistry.
Polyfresko Torch	32’ 10” x 3’ 3-3/8”	ASTM D 6222	Torch applied, polyester reinforced, APP modified bitumen membrane with a burn off polyethylene back face and a granule top surface.
Polyfresko Torch FR	32’ 10” x 3’ 3-3/8”	ASTM D 6222	Torch applied, polyester reinforced, APP modified bitumen membrane with a burn off polyethylene back face and a granule top surface and fire retardant chemistry.
Elastobase	65’ 2” x 3’ 3-3/8”	ASTM D 6163 Type I	SBS modified asphalt coated fiberglass reinforced base sheet.
Elastobase P	65’ 2” x 3’ 3-3/8”	ASTM D 6164	SBS modified asphalt coated polyester reinforced base sheet.
Cold Process Adhesive	1, 3, 5, 50, 55 gal. or tube	ASTM D3019 Type III	A fibered cold process adhesive for use with roll or BUR roofing.
PG100 Asphalt Primer	1, 3, 5, 50, 55 gal, tube or 17 oz. spray can	ASTM D41	A penetrating solution of solvent and a blend of selected asphalts used to promote adhesion.
PG350 Mod Bit Adhesive	1, 3, 5, 50, 55 gal. or tube	ASTM D3019 Type III	A fibered rubberized adhesive designed for use with modified bitumen membranes.
PG400 Plastic Roof Cement	1, 3, 5, 50, 55 gal. or tube	ASTM D4586 ASTM D3409	A thick, fibered, rubberized flashing cement for use in dry or damp conditions.
PG425 Wet/Dry Roof Cement	1, 3, 5, 50, 55 gal. or tube	ASTM D4586 ASTM D3409	A thick, fibered, rubberized flashing cement for use in dry or damp conditions.
PG450 Flashing Cement	1, 3, 5, 50, 55 gal. or tube	ASTM D4586	A thick, fibered, rubberized flashing cement.

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

TABLE 1

Product	Dimensions	Test Specification	Product Description
PG500 MB Flashing Cement	1, 3, 5, 50, 55 gal. or tube	ASTM D4586	A thick, fibered, rubberized flashing cement for use with modified bitumen membranes.
Polyplus 35 Premium Mod Bit Adhesive	1, 3, 5, 50, 55 gal. or tube	ASTM D3019 Type III	A fibered rubberized adhesive designed for use with modified bitumen membranes.
Polyplus 45 Premium Flashing Cement	1, 3, 5, 50, 55 gal. or tube	ASTM D4586	A thick, fibered, rubberized flashing cement.
Polyplus 50 Premium MB Flashing Cement	1, 3, 5, 50, 55 gal. or tube	ASTM D4586	A thick, fibered, rubberized flashing cement for use with modified bitumen membranes.
Polyplus 55 Premium Modified Flashing Cement	1, 3, 5, 50, 55 gal. or tube	ASTM D4586	A mastic compound for use as a roof flashing adhesive.

APPROVED INSULATIONS:

TABLE 2

Product Name	Product Description	Manufacturer (With Current NOA)
POLYTHERM	Polyisocyanurate foam insulation	Polyglass USA, Inc.
POLYTHERM Composite	Polyisocyanurate/perlite composite insulation.	Polyglass USA, Inc.
ACFoam-II	Polyisocyanurate foam insulation	Atlas Roofing Corporation
ACFoam-III	Polyisocyanurate foam insulation	Atlas Roofing Corporation
High Density Wood Fiberboard	Wood fiber insulation board	Generic
DensDeck or DensDeck Prime	Gypsum insulation board	Georgia-Pacific
ENRGY 3	Polyisocyanurate foam insulation	Johns Manville Corp.
FescoBoard	Expanded mineral fiber	Johns Manville Corp.
Structodek High Density Fiberboard Roof Insulation	Wood fiber board	Blue Ridge Fiberboard, Inc.
SECUROCK Gypsum-Fiber Roof Board	Fiber reinforced Coverboard	USG Corporation
EPS	Expanded polystyrene board	Generic
H-Shield	Polyisocyanurate foam insulation	Hunter Panels, LLC
H-Shield CG	Polyisocyanurate/perlite composite insulation	Hunter Panels, LLC
Thermaroof Composite-3	Polyisocyanurate foam insulation	Rmax Operating, LLC

APPROVED FASTENERS:

TABLE 3

Fastener Number	Product Name	Product Description	Dimensions	Manufacturer (With Current NOA)
1.	Polygrip Fasteners #14 & #15	Insulation fastener for wood, steel and concrete decks		Polyglass USA, Inc.
2.	Polygrip Hex Plate	Galvalume hex stress plate.	2 7/8" x 3-¼"	Polyglass USA, Inc.
3.	Dekfast 14 & Dekfast 15 HS	Insulation fastener for wood, steel and concrete decks		SFS Intec, Inc.
4.	Dekfast Galvalume Steel Hex	Galvalume hex stress plate.	2 7/8" x 3 1/4"	SFS Intec, Inc.
5.	#14 Roofgrip & #15 Roofgrip	Insulation fastener for wood, steel and concrete decks.		OMG, Inc.
6.	3 in. Round Metal Plate	Galvalume stress plate.	3" round 3" square	OMG, Inc.
7.	Dekfast Isofast IF-2.375-AT Plate	Galvalume AZ55 steel plate	2.37" round	SFS Intec, Inc.
8.	FM-260	Pre-assembled Galvalume Base Sheet Fastener and stress plate.	Various	ES Products, Inc.
9.	FM-245	Pre-assembled Galvalume Base Sheet Fastener and stress plate.	Various	ES Products, Inc.
10.	FM-90	Pre-assembled Galvalume Base Sheet Fastener and stress plate	Various	ES Products, Inc.

APPROVED SURFACING:

TABLE 4

Number	Product Name	Product Description	Application Rate	Specification	Manufacturer
1.	PG200 Non-Fibered Roof Coating	A non fibered asphaltic coating used to add life and rejuvenate existing BUR roofing substrates.	1½-2 gal/sq	TAS 140	Polyglass USA, Inc.
2.	PG300 Fibered Roof Coating	An asphalt cutback fibered roof coating. May be applied by brush or spray equipment to rejuvenate aged BUR	1½-2 gal/sq	ASTM D4479	Polyglass USA, Inc.
3.	PG600 Non-Fibered Aluminum Roof Coating	Non-fibered aluminum roof coating.	½-1 gal/sq	ASTM D2824 Type I	Polyglass USA, Inc.
4.	PG650 Fibered Aluminum Roof Coating	Fibered aluminum roof coating.	1½-2 gal/sq	ASTM D2824 Type III	Polyglass USA, Inc.
5.	PG700 White Reflective Roof Coating	A premium white elastomeric acrylic based roof coating (water-based). A polyester fabric may be used for reinforcement with this coating.	1-1½ gal/sq	ASTM D6083	Polyglass USA, Inc.
6.	PG800 Non-Fibered Asphalt Emulsion Roof Coating	An asphalt based, non-fibered clay emulsion	3 gal/sq in two coats	ASTM D1227	Polyglass USA, Inc.
7.	PG850 Fibered Asphalt Emulsion Roof Coating	An asphalt base, fibered clay emulsion	3 gal/sq in two coats	ASTM D1227	Polyglass USA, Inc.
8.	Polyplus 65 Premium Fibered Aluminum Roof Coating	Fibered aluminum roof coating.	1½-2 gal/sq	ASTM D2824 Type III	Polyglass USA, Inc.
9.	Polyplus 60 Premium Non-Fibered Aluminum Roof Coating	Non-fibered aluminum roof coating.	½-1 gal/sq	ASTM D2824 Type I	Polyglass USA, Inc.
10.	Polybrite 70 White Elastomeric Roof Coating	A premium white elastomeric acrylic based roof coating (water-based). A polyester fabric may be used for reinforcement with this coating.	1-1½ gal/sq	ASTM D6083	Polyglass USA, Inc.
11.	Gravel	To be installed in a flood coat of approved asphalt at 60 lbs/sq	400 lbs/sq	N/A	Generic

APPROVED SURFACING:

TABLE 4

Number	Product Name	Product Description	Application Rate	Specification	Manufacturer
12.	Slag	To be installed in a flood coat of approved asphalt at 60 lbs/sq	300 lbs/sq	N/A	Generic

EVIDENCE SUBMITTED:

Test Agency	Test Name/Report	Report No.	Date
Factory Mutual Research Corporation	4470	J.I. 2W7A7.AM	08.04.94
	4470	J.I. 3001334	02.15.00
	4470	J.I. 3000857	01.12.00
	4470	J.I. 3004091	01.12.00
Underwriters Laboratory	TAS 114	00NK20869	06.08.00
Trintiy | ERD	TAS 114	11752.09.99-1	02.08.00
	TAS 114	11757.12.00-1	12.01.00
	TAS 114	11757.04.01-1	04.27.01
	TAS 114	11776.06.02	06.13.02
	TAS 114	11776.06.02	08.11.03
	TAS 114	020843.02.05-1	02.10.05
	TAS 117(B)-ASTM D6862	C8500SC.11.07	11.30.07
	ASTM D 6164 / D 6222	P10490.10.08-R1	10.03.08
	ASTM D6222	P37590. 07.13-2	07.01.13
	ASTM D6222	P37590.03.13-5-R1	07.01.13
	ASTM D6509	P37590.03.13-1-R1	06.26.13
	ASTM D6164	P37590.03.13-3A	03.06.13
	ASTM D6164	P37590.07.13-1	07.02.13
	ASTM D6163	P37590.03.13-2-R1	07.01.13
PRI Asphalt Technologies	ASTM D6222	PUSA-062-02-01	12/04/07
	ASTM D6163	PUSA-064-02-02	02/27/08

APPROVED ASSEMBLIES:

Deck Type 7I: Recover over existing asphalt BUR

Deck Description: Concrete / Steel

System Type A(1): One or more layers of insulation adhered with approved adhesive. Membranes subsequently adhered to insulation.

All General and System limitations apply.

One or more layers of any of the following insulations:

Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
ACFoam-II, ENRGY 3, H-Shield, Multi-Max FA-3 Minimum 2" thick	**N/A**	**N/A**

Note: Apply insulation in Millennium One Step Foamable Adhesive in ½" to ¾" continuous beads/ribbons spaced 12" o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Additional layers of insulation should be adhered in WeatherTite One-Step Foamable Adhesive in ½" to ¾" continuous beads/ribbons spaced 12" o.c.

Base Sheet: (Optional if using ply sheet in hot asphalt) One or more plies of Elastobase adhered to the insulation in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

Ply Sheet: (Optional if using base sheet in hot asphalt) One or more plies of Polybond, Polyflex torch applied or one ply of Elastobase, Elastoflex S6, Elastoflex V or Elastoflex V 2.5 or one to more plies of Type IV or VI ply sheet adhered to the insulation in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

Membrane: One ply of Polyflex, Polyflex G, Polyflex G FR, Polyfresko Torch, Polyfresko Torch FR, Polybond, Polybond G torch applied or one ply of Elastoflex S6 G, Elastoflex S6 G FR, Polyfresko Mop, Polyfresko Mop FR, Elastoshield TSG or Elastoshield TSG FR torch or hot asphalt applied.

Surfacing: (Optional) Install one of the approved surfacing products listed in Table 4 to obtain desired coating or required fire classification.

Maximum Design Pressure: -157.5 psf; (See General Limitation #9.)

Deck Type 7I: Recover over existing asphalt BUR

Deck Description: Concrete / Steel

System Type A(2): One or more layers of insulation adhered with approved adhesive. Membranes subsequently adhered to insulation.

All General and System limitations apply.

One or more layers of any of the following insulations:

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
ACFoam-II, ENRGY 3, H-Shield Minimum 2" thick	**N/A**	**N/A**

Top Insulation Layer (Coverboard)	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
SECUROCK Gypsum-Fiber Roof Board Minimum ¼" thick	**N/A**	**N/A**

Note: Apply insulation in Millennium One Step Foamable Adhesive in ½" to ¾" continuous beads/ribbons spaced 12" o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Additional layers of insulation should be adhered in WeatherTite One-Step Foamable Adhesive in ½" to ¾" continuous beads/ribbons spaced 12" o.c.

Base Sheet: One or more plies of Polyflex, Polybond torch applied to the coverboard.

Membrane: One ply of Polyflex G, Polyflex G FR, Polyfresko Torch, Polyfresko Torch FR, Polybond G torch applied.

Surfacing: (Optional) Install one of the approved surfacing products listed in Table 4 to obtain desired coating or required fire classification.

Maximum Design Pressure: -157.5 psf; (See General Limitation #9.)

Deck Type 7I: Recover over existing asphalt BUR

Deck Description: Concrete / Steel

System Type A(3): One or more layers of insulation adhered with approved adhesive. Membranes subsequently adhered to insulation.

All General and System limitations apply.

One or more layers of any of the following insulations:

Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
ACFoam-II, ENRGY 3, H-Shield, EPS 2.0 pcf Minimum 1.5" thick	**N/A**	**N/A**

Note: Apply insulation in OlyBond 500 or SpotShot Adhesive in ¾" to 1" continuous beads/ribbons spaced 12" o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Additional layers of insulation should be adhered in OlyBond 500 or SpotShot Adhesive in ¾" to 1" continuous beads/ribbons spaced 12" o.c.

Base Sheet: (Optional if using ply sheet in hot asphalt) One or more plies of Elastobase adhered to the insulation in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

Ply Sheet: (Optional if using base sheet in hot asphalt) One or more plies of Polybond, Polyflex torch applied or one ply of Elastobase, Elastoflex S6, Elastoflex V or Elastoflex V 2.5 or one to more plies of Type IV or VI ply sheet adhered to the insulation in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

Membrane: One ply of Polyflex, Polyflex G, Polyflex G FR, Polyfresko Torch, Polyfresko Torch FR, Polybond, Polybond G torch applied or one ply of Elastoflex S6 G, Elastoflex S6 G FR, Polyfresko Mop, Polyfresko Mop FR, Elastoshield TSG or Elastoshield TSG FR torch or hot asphalt applied.

Surfacing: (Optional) Install one of the approved surfacing products listed in Table 4 to obtain desired coating or required fire classification.

Maximum Design Pressure: -120.0 psf; (See General Limitation #9.)

Deck Type 7I: Recover over existing asphalt BUR

Deck Description: Concrete / Steel

System Type A(4): One or more layers of insulation adhered with approved adhesive. Membranes subsequently adhered to insulation.

All General and System limitations apply.

One or more layers of any of the following insulations:

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
ACFoam-II, ENRGY 3, H-Shield, EPS 2.0 pcf Minimum 1.5" thick	**N/A**	**N/A**

Top Insulation Layer (Coverboard)	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
SECUROCK Gypsum-Fiber Roof Board Minimum ¼" thick	**N/A**	**N/A**

Note: Apply insulation in OlyBond 500 or SpotShot Adhesive in ¾" to 1" continuous beads/ribbons spaced 12" o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Additional layers of insulation should be adhered in OlyBond 500 or SpotShot Adhesive in ¾" to 1" continuous beads/ribbons spaced 12" o.c.

Base Sheet: One or more plies of Polyflex, Polybond torch applied to the coverboard.

Membrane: One ply of Polyflex G, Polyflex G FR, Polyfresko Torch, Polyfresko Torch FR, Polybond G torch applied.

Surfacing: (Optional) Install one of the approved surfacing products listed in Table 4 to obtain desired coating or required fire classification.

Maximum Design Pressure: -120.0 psf; (See General Limitation #9.)

Deck Type 7I: Recover over existing asphalt BUR or mineral surfaced cap

Deck Description: concrete / Steel

System Type A(5): One or more layers of insulation adhered with approved adhesive. Membranes subsequently adhered to insulation.

All General and System limitations apply.

One or more layers of any of the following insulations:

Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
ACFoam-II, ACFoam-III, ENRGY 3, H-Shield, H-Shield CG, Multi-Max FA-3		
Minimum 1.5" thick	**N/A**	**N/A**

Note: Apply insulation in TITESET Roofing Adhesive or 3M CR-20 Polyurethane Foam Insulation Adhesive in 3" to 3-1/2" continuous beads/ribbons spaced 12" o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Additional layers of insulation should be adhered in TITESET Roofing Adhesive or 3M CR-20 Polyurethane Foam Insulation Adhesive in 3" to 3-1/2" continuous beads/ribbons spaced 12" o.c.

Base Sheet: (Optional if using ply sheet in hot asphalt) One or more plies of Elastobase adhered to the insulation in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

Ply Sheet: (Optional if using base sheet in hot asphalt) One or more plies of Polybond, Polyflex torch applied or one ply of Elastobase, Elastoflex S6, Elastoflex V or Elastoflex V 2.5 or one to more plies of Type IV or VI ply sheet adhered to the insulation in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

Membrane: One ply of Polyflex, Polyflex G, Polyflex G FR, Polyfresko Torch, Polyfresko Torch FR, Polybond, Polybond G torch applied or one ply of Elastoflex S6 G, Elastoflex S6 G FR, Polyfresko Mop, Polyfresko Mop FR, Elastoshield TSG or Elastoshield TSG FR torch or hot asphalt applied.

Surfacing: (Optional) Install one of the approved surfacing products listed in Table 4 to obtain desired coating or required fire classification.

Maximum Design Pressure: -262.5 psf; (See General Limitation #9.)

Deck Type 7I: Recover over existing asphalt BUR or mineral surfaced cap

Deck Description: Concrete / Steel

System Type A(6): One or more layers of insulation adhered with approved adhesive. Membranes subsequently adhered to insulation.

All General and System limitations apply.

One or more layers of any of the following insulations:

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
ACFoam-II, ACFoam-III, ENRGY 3, H-Shield, H-Shield CG, Multi-Max FA-3 Minimum 1.5" thick	**N/A**	**N/A**

Top Insulation Layer (Coverboard)	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
SECUROCK Gypsum-Fiber Roof Board Minimum ¼" thick	**N/A**	**N/A**

Note: Apply insulation in TITESET Roofing Adhesive or 3M CR-20 Polyurethane Foam Insulation Adhesive in 3" to 3-1/2" continuous beads/ribbons spaced 12" o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Additional layers of insulation should be adhered in TITESET Roofing Adhesive or 3M CR-20 Polyurethane Foam Insulation Adhesive in 3" to 3-1/2" continuous beads/ribbons spaced 12" o.c.

Base Sheet: One or more plies of Polyflex, Polybond torch applied to the coverboard.

Membrane: One ply of Polyflex G, Polyflex G FR, Polyfresko Torch, Polyfresko Torch FR, Polybond G torch applied.

Surfacing: (Optional) Install one of the approved surfacing products listed in Table 4 to obtain desired coating or required fire classification.

Maximum Design Pressure: -262.5 psf; (See General Limitation #9.)

Deck Type 7I: Recover

Deck Description: Concrete / Steel

System Type B: Base layers of insulation mechanically fastened, top layer fully adhered with approved asphalt. Membranes subsequently adhered to insulation.

All General and System limitations apply.

One or more layers of any of the following insulations:

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
H-Shield, H-Shield CG, POLYTHERM or POLYTHERM Composite Minimum 1.5" thick	**1 or 4**	**1:4 ft²**

Note: Base layers of insulation shall be mechanically attached using the fastener density listed. The insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Insulation fasteners shall be tested for withdrawal resistance in compliance with Protocol TAS 105 to confirm compliance with the wind load requirements. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Top Insulation Layer (Coverboard)	Insulation Fasteners (Table 3)	Fastener Density/ft^2
FescoBoard Minimum ¾" thick	**N/A**	**N/A**

Note: Top layer of insulation shall be adhered with approved hot asphalt within the EVT range and at a rate of 20-40 lbs/100 ft^2. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Composite insulation boards used as a top layer shall be installed with the polyisocyanurate face down.

Base Sheet: (Optional if using 1 to 3 plies of ply sheet) One or more plies of Elastobase adhered to the coverboard in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

Ply Sheet: (Optional) One or more plies of Elastobase or one to three plies of Type IV or VI ply sheet adhered to the coverboard in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

Membrane: One ply of Polyflex, Polyflex G, Polyflex G FR, Polyfresko Torch, Polyfresko Torch FR, Polybond, Polybond G torch applied or one ply of Elastoflex S6 G, Elastoflex S6 G FR, Polyfresko Mop, Polyfresko Mop FR, Elastoshield TSG or Elastoshield TSG FR torch or hot asphalt applied.

Surfacing: (Optional) Install one of the approved surfacing products listed in Table 4 to obtain desired coating or required fire classification.

Maximum Design Pressure: -45 psf; (See General Limitation #9.)

Deck Type 7I: Recover

Deck Description: Concrete / Steel

System Type D(1): All layers of insulation and base sheet simultaneously attached.

All General and System limitations apply.

One or more layers of any of the following insulations:

Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
ACFoam-II, ACFoam-III, Multi-Max FA-3, H-Shield, Tapered H-Shield, Thermaroof Composite-3, POLYTHERM Composite		
Minimum 1.5" thick	**N/A**	**N/A**
Approved High Density Fiberboard		
Minimum ½" thick	**N/A**	**N/A**
FescoBoard		
Minimum ¾" thick	**N/A**	**N/A**

Note: Top layer shall have preliminary attachment, prior to installation of the base sheet, at an application rate of two fasteners per board for insulation boards having no dimension greater than 4 ft., and four fasteners for any insulation board having no dimension greater than 8 ft. All layers of insulation and base sheet shall be simultaneously fastened. See base sheet below for fasteners and density.

Base Sheet: One or more plies of Elastobase fastened to the deck as described below:

Fastening: Attach base sheet using Dekfast Galvalume Steel Hex plates with Dekfast 14 fasteners (steel only) spaced 12" o.c. in a 4" lap and 18" o.c. in two equally spaced staggered rows in the center of the sheet. Fasteners shall penetrate through the existing roof to the structural deck.

Ply Sheet: (Optional) One or more plies of Elastobase adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

Membrane: One ply of Polyflex, Polyflex G, Polyflex G FR, Polyfresko Torch, Polyfresko Torch FR, Polybond, Polybond G torch applied or one ply of Elastoflex S6 G, Elastoflex S6 G FR, Polyfresko Mop, Polyfresko Mop FR, Elastoshield TSG or Elastoshield TSG FR torch or hot asphalt applied.

Surfacing: (Optional) Install one of the approved surfacing products listed in Table 4 to obtain desired coating or required fire classification.

Maximum Design Pressure: -45 psf; (See General Limitation #9.)

Deck Type 7I: Recover

Deck Description: Concrete / Steel

System Type D(2): All layers of insulation and base sheet simultaneously attached.

All General and System limitations apply.

One or more layers of any of the following insulations:

Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
H-Shield, POLYTHERM, POLYTHERM Composite, ACFoam-II, ACFoam-III		
Minimum 1.5" thick	**N/A**	**N/A**
Approved High Density Fiberboard		
Minimum 1" thick	**N/A**	**N/A**
FescoBoard		
Minimum ¾" thick	**N/A**	**N/A**

Note: Top layer shall have preliminary attachment, prior to installation of the base sheet, at an application rate of two fasteners per board for insulation boards having no dimension greater than 4 ft., and four fasteners for any insulation board having no dimension greater than 8 ft. All layers of insulation and base sheet shall be simultaneously fastened. See base sheet below for fasteners and density.

Base Sheet: One or more plies of Polybond or Polyflex mechanically fastened to the deck as described below:

Fastening #1: Attach base sheet using Polygrip Fastener #14 or Dekfast 14 fasteners and approved plates spaced 18" o.c. in a minimum 5" wide side lap. The side lap is either torch or hot air welded closed. Fasteners shall penetrate through the existing roof to the structural deck.
(Maximum Design Pressure –45 psf – See General Limitation #9.)

Fastening #2: Attach base sheet using Polygrip Fastener #14 or Dekfast 14 fasteners and approved plates spaced 12" o.c. in a minimum 6" wide side lap. The side lap is either torch or hot air welded closed. Fasteners shall penetrate through the existing roof to the structural deck.
(Maximum Design Pressure –82.5 psf – See General Limitation #7.)

Ply Sheet: None.

Membrane: One ply of Polyflex, Polyflex G, Polyflex G FR, Polyfresko Torch, Polyfresko Torch FR, Polybond, Polybond G torch applied.

Surfacing: (Optional) Install one of the approved surfacing products listed in Table 4 to obtain desired coating or required fire classification.

Maximum Design Pressure: See Fastening Options above

Deck Type 7: Recover

Deck Description: Concrete / Steel

System Type E(1): Base sheet mechanically attached.

All General and System limitations apply.

Base Sheet: One or more plies of Elastobase fastened to the deck as described below:

Fastening: Attach base sheet using Dekfast Galvalume Steel Hex plates with Dekfast 14 fasteners spaced 12" o.c. in a 4" lap and 18" o.c. in two equally spaced staggered rows in the center of the sheet. Fasteners shall penetrate through the existing roof to the structural deck.

Ply Sheet: (Optional) One or more plies of Elastobase or ASTM D4601, Type II approved base sheet adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

Membrane: One ply of Polyflex, Polyflex G, Polyflex G FR, Polyfresko Torch, Polyfresko Torch FR, Polybond, Polybond G torch applied or one ply of Elastoflex S6 G, Elastoflex S6 G FR, Polyfresko Mop, Polyfresko Mop FR, Elastoshield TSG or Elastoshield TSG FR torch or hot asphalt applied.

Surfacing: (Optional) Install one of the approved surfacing products listed in Table 4 to obtain desired coating or required fire classification.

Maximum Design Pressure: -45 psf; (See General Limitation #9.)

Deck Type 7: Recover

Deck Description: Concrete / Steel / Lightweight Concrete

System Type E(2): Base sheet mechanically attached.

All General and System Limitations apply.

Base Sheet: One ply of Polybond or Polyflex mechanically fastened to the deck as described below:

Fastening #1: Attach base sheet using Polygrip Fasteners #14 or Dekfast 14 fasteners and approved plates spaced 18" o.c. in a minimum 5" wide side lap. The side lap is either torch or hot air welded closed. Fasteners shall penetrate through the existing roof to the structural deck. If the application is over an existing lightweight concrete deck, the fasteners shall penetrate through the lightweight concrete to the underlying steel or structural concrete deck
(Maximum Design Pressure –45 psf – General Limitation #9.)

Fastening #2: Attach base sheet using Polygrip Fasteners #14 or Dekfast 14 fasteners and approved plates spaced 12" o.c. in a minimum 6" wide side lap. The side lap is either torch or hot air welded closed. Fasteners shall penetrate through the existing roof to the structural deck. If the application is over an existing lightweight concrete deck, the fasteners shall penetrate through the lightweight concrete to the underlying steel or structural concrete deck
(Maximum Design Pressure –82.5 psf – General Limitation #7.)

Ply Sheet: None.

Membrane: One ply of Polyflex, Polyflex G, Polyflex G FR, Polyfresko Torch, Polyfresko Torch FR, Polybond, Polybond G, torch applied.

Surfacing: (Optional) Install one of the approved surfacing products listed in Table 4 to obtain desired coating or required fire classification.

Maximum Design Pressure: See Fastening Options above

Deck Type 7: Recover

Deck Description: Elastizell with Zell-Crete fibers; 350-400 psi Compressive strength. Supplemental attachment with Roofgrip #21 screws and 3" Flat Bottom Plates at 1 per $8ft^2$.

System Type E(3): Base sheet mechanically fastened.

All General and System limitations apply.

Base Sheet: Elastobase or Elastobase P fastened as outlined below:

Fastening: Twin Loc-Nails at 6" o.c. in 4" lap and 6" o.c. in three equally spaced center rows.

Ply Sheet: One ply of Elastobase or one to more plies of Type IV or VI ply sheet adhered to the Base Sheet in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs.

Membrane: One ply of Polyflex, Polyflex G, Polyflex G FR, Polyfresko Torch, Polyfresko Torch FR, Polybond, Polybond G torch applied or one ply of Elastoflex S6 G, Elastoflex S6 G FR, Polyfresko Mop, Polyfresko Mop FR, Elastoshield TSG or Elastoshield TSG FR torch or hot asphalt applied.

Surfacing: (Optional) Install one of the approved surfacing products listed in Table 4 to obtain desired coating or required fire classification.

Maximum Design Pressure: -60 psf; (See general limitation #7.)

Deck Type 7: Recover

Deck Description: Celcore MF Lightweight Concrete; 300psi compressive strength. Minimum 59 lbf withdrawal.

System Type E(4): Base sheet mechanically fastened.

All General and System limitations apply.

Base Sheet: Elastobase or Elastobase P fastened as outlined below:

Fastening: FM-90 fasteners at 8" o.c. in 4" lap and 8" o.c. in three equally spaced center rows.

Ply Sheet: One ply of Elastobase or one to more plies of Type IV or VI ply sheet adhered to the Base Sheet in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs.

Membrane: One ply of Polyflex, Polyflex G, Polyflex G FR, Polyfresko Torch, Polyfresko Torch FR, Polybond, Polybond G torch applied or one ply of Elastoflex S6 G, Elastoflex S6 G FR, Polyfresko Mop, Polyfresko Mop FR, Elastoshield TSG or Elastoshield TSG FR torch or hot asphalt applied.

Surfacing: (Optional) Install one of the approved surfacing products listed in Table 4 to obtain desired coating or required fire classification.

Maximum Design Pressure: -60 psf; (See general limitation #7.)

Deck Type 7: Recover

Deck Description: Celcore MF Lightweight Concrete; 300psi compressive strength. Minimum 110lbf withdrawal.

System Type E(5): Base sheet mechanically fastened.

All General and System limitations apply.

Base Sheet: Elastobase P fastened as outlined below:

Fastening: FM-260 fasteners at 10" o.c. in 4" lap and 10" o.c. in three equally spaced center rows.

Ply Sheet: (Optional) One ply of Elastobase or one to more plies of Type IV or VI ply sheet adhered to the Base Sheet in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs.

Membrane: One ply of Polyflex, Polyflex G, Polyflex G FR, Polyfresko Torch, Polyfresko Torch FR, Polybond, Polybond G torch applied or one ply of Elastoflex S6 G, Elastoflex S6 G FR, Polyfresko Mop, Polyfresko Mop FR, Elastoshield TSG or Elastoshield TSG FR torch or hot asphalt applied.

Surfacing: (Optional) Install one of the approved surfacing products listed in Table 4 to obtain desired coating or required fire classification.

Maximum Design Pressure: -90 psf; (See general limitation #7.)

Deck Type 7: Recover

Deck Description: concrete / steel

System Type F(1): Optional base sheet fully adhered with approved asphalt.

All General and System Limitations apply.

Note: Existing roof surface shall be primed with PG100 Asphalt Primer and allowed to dry prior to application of base sheet.

Base Sheet: (Optional) One or more plies of Elastobase adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

Ply Sheet: (Optional) One or more plies of Elastobase adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

Membrane: One ply of Polyflex, Polyflex G, Polyflex G FR, Polyfresko Torch, Polyfresko Torch FR, Polybond, Polybond G, Polybond G FR torch applied or one ply of Elastoflex S6 G, Elastoflex S6 G FR, Polyfresko Mop, Polyfresko Mop FR, Elastoshield TSG or Elastoshield TSG FR torch or hot asphalt applied.

Surfacing: (Optional) Install one of the approved surfacing products listed in Table 4 to obtain desired coating or required fire classification.

Maximum Design Pressure: -45 psf; (See General Limitation #9.)

RECOVER SYSTEM LIMITATIONS:

1 All System Limitations and General Limitations shall apply. See specific deck type Notice of Acceptance for deck type System Limitations.

GENERAL LIMITATIONS:

1. Fire classification is not part of this acceptance; refer to a current Approved Roofing Materials Directory for fire ratings of this product.
2. Insulation may be installed in multiple layers. The first layer shall be attached in compliance with Product Control Approval guidelines. All other layers shall be adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq., or mechanically attached using the fastening pattern of the top layer
3. All standard panel sizes are acceptable for mechanical attachment. When applied in approved asphalt, panel size shall be 4' x 4' maximum.
4. An overlay and/or recovery board insulation panel is required on all applications over closed cell foam insulations when the base sheet is fully mopped. If no recovery board is used the base sheet shall be applied using spot mopping with approved asphalt, 12" diameter circles, 24" o.c.; or strip mopped 8" ribbons in three rows, one at each side lap and one down the center of the sheet allowing a continuous area of ventilation. Encircling of the strips is not acceptable. A 6" break shall be placed every 12' in each ribbon to allow cross ventilation. Asphalt application of either system shall be at a minimum rate of 12 lbs./sq.
   Note: Spot attached systems shall be limited to a maximum design pressure of -45 psf.
5. Fastener spacing for insulation attachment is based on a Minimum Characteristic Force (F') value of 275 lbf., as tested in compliance with Testing Application Standard TAS 105. If the fastener value, as field-tested, are below 275 lbf. insulation attachment shall not be acceptable.
6. Fastener spacing for mechanical attachment of anchor/base sheet or membrane attachment is based on a minimum fastener resistance value in conjunction with the maximum design value listed within a specific system. Should the fastener resistance be less than that required, as determined by the Building Official, a revised fastener spacing, prepared, signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant may be submitted. Said revised fastener spacing shall utilize the withdrawal resistance value taken from Testing Application Standards TAS 105 and calculations in compliance with Roofing Application Standard RAS 117.
7. Perimeter and corner areas shall comply with the enhanced uplift pressure requirements of these areas. Fastener densities shall be increased for both insulation and base sheet as calculated in compliance with Roofing Application Standard RAS 117. Calculations prepared, signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant **(When this limitation is specifically referred within this NOA, General Limitation #9 will not be applicable.)**
8. All attachment and sizing of perimeter nailers, metal profile, and/or flashing termination designs shall conform to Roofing Application Standard RAS 111 and applicable wind load requirements.
9. The maximum designed pressure limitation listed shall be applicable to all roof pressure zones (i.e. field, perimeters, and corners). Neither rational analysis, nor extrapolation shall be permitted for enhanced fastening at enhanced pressure zones (i.e. perimeters, extended corners and corners). **(When this limitation is specifically referred within this NOA, General Limitation #7 will not be applicable.)**

END OF THIS ACCEPTANCE